



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

MEMORANDUM

Date: September 28, 2005

Subject: Contract Laboratory Program Data Review

From: *Marvelyn Humphrey*, Marvelyn Humphrey, ESAT Regional PO, 6MD-HE

To: V. Malott, 6SF-AP

Site : JONES ROAD GROUND WATER PLUME

Case#: 34472

SDG# : F1QS6

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please call me at (281) 983-2140.

Attachments

cc: M. El-Feky, ESAT TOPO
Files (2)

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ESAT REGION 6
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

MEMORANDUM

DATE: September 21, 2005
TO: Marvely Humphrey, ESAT PO, Region 6
FROM: Tom C.H. Chiang, ESAT Program Manager, Region 6 *JL, 1.11 CL*
SUBJECT: CLP Data Review
REF: TDF # 6-05-303A ESAT # O-0846
 ESAT Contract No. 68-W-01-030

Attached is the data review summary for Case #34472
 SDG #F1QS6
 Site Jones Road Ground
 Water Plume

COMMENTS:

I. LEVEL OF DATA REVIEW

Modified full data review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

CCS found the laboratory contractually compliant. Hardcopy review detected the contractually noncompliant item below that was not mentioned in the CCS report.

The laboratory spiked the MS/MSD samples at twice the concentration specified by the SOW (OLC03.2, D-48/VOA, 12.2.3.1), but MS/MSD results were not affected in the reviewer's opinion.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed was 300 for this data package. All results were technically acceptable.

IV. OTHER AREA OF CONCERN

Trip blank sample F1R53 had excessive chloromethane contamination.

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10625 FALLSTONE ROAD
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ORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	34472	SITE	Jones Road Ground Water Plume
LABORATORY	LIBRTY	NO. OF SAMPLES	6
CONTRACT#	68-W-01-043	MATRIX	water
SDG#	F1QS6	REVIEWER (IF NOT ESB)	ESAT
SOW#	OLC03.2	REVIEWER'S NAME	Michael J. Fertitta
ACCT#	5302DD2CJN42	COMPLETION DATE	September 21, 2005
SF#	302DD2CNK		

SAMPLE NO.	F1QS6	F1R68	_____	_____	_____
	F1QY7	F1R89	_____	_____	_____
	F1R21	_____	_____	_____	_____
	F1R53	_____	_____	_____	_____

DATA ASSESSMENT SUMMARY

VOA

1. HOLDING TIMES	<u>O</u>
2. GC/MS TUNE/INSTR. PERFORM.	<u>O</u>
3. CALIBRATIONS	<u>O</u>
4. BLANKS	<u>O</u>
5. DMC/SURROGATES	<u>O</u>
6. MATRIX SPIKE/DUPLICATE/LCS	<u>O</u>
7. OTHER QC	<u>O</u>
8. INTERNAL STANDARDS	<u>O</u>
9. COMPOUND ID/QUANTITATION	<u>O</u>
10. PERFORMANCE/COMPLETENESS	<u>O</u>
11. OVERALL ASSESSMENT	<u>O</u>

O = Data had no problems.

M = Data qualified due to major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

ACTION ITEMS:

AREA OF CONCERN: Contractual Issue: The laboratory spiked the MS/MSD samples at twice the concentration specified by the SOW.

NOTABLE PERFORMANCE: The data package arrived one calendar day early for the seven-day turnaround requirement.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW
Jones Road
CASE 34472 SDG F1QS6 SITE Ground Water Plume LAB LIBRTY

The following is a summary of sample qualifiers used by Region 6 in reporting this CLP data:

No.	Acceptable	Provisional	Unacceptable
VOA	6		

COMMENTS: This SDG consisted of four water samples, one trip blank, and one field blank for VOA analysis by Low Concentration SOW OLC03.2. The sampler identified sample F1QS6 as the laboratory QC sample, sample F1R53 as the trip blank, and sample F1R68 as the field blank. The samples in this SDG were also associated with field blank sample F1R66 from SDG F1QG0 and field blank sample F1R67 from SDG F1QS9. The RSCC verified with the sampler that sample F1R89 was the field duplicate of sample F1QY7. The data package arrived one calendar day early for the seven-day turnaround requirement, but the reviewer detected the contractually noncompliant item below.

- The laboratory spiked the MS/MSD samples at twice the concentration specified by the SOW.

Modified full review was performed for this package as requested by the Region. The target compounds of concern with the user's desired detection limits in parentheses were vinyl chloride (2 µg/L), trans- and cis-1,2-dichloroethenes (7 µg/L), and tetrachloroethene (5 µg/L). All samples met the desired detection limit criteria. Trans-1,2-dichloroethene was not detected in any sample. Various combinations of the remaining compounds of concern were detected at concentrations below the desired detection limits in all samples except sample F1R21, but the vinyl chloride concentrations were solely attributed to laboratory contamination. The only target compound not designated as a compound of concern that was detected at a concentration above the CRQL was chloromethane in trip blank sample F1R53.

All reported results were technically acceptable and their usability is indicated by ESAT's final data qualifiers in the Data Summary Table (DST). An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were reported on the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

**ORGANIC QA REVIEW
CONTINUATION PAGE**
Jones Road
CASE 34472 SDG F1QS6 SITE Ground Water Plume LAB LIBRTY

Acceptable = No results were qualified for any problem associated with this QC parameter.
Provisional = Some results were qualified because of problems associated with this QC parameter.
Unusable = All results are unusable because of major problems associated with this QC parameter.

1. Holding Times: Acceptable. All samples were analyzed within the contractual and technical holding time limits. The pH values indicated that the samples were preserved with acid.

NOTE: Polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low biased results for these analytes.

2. Tuning/Performance: Acceptable. BFB analyses met GC/MS tuning criteria.

3. Calibrations: Acceptable. All target analytes met contractual calibration criteria. Trans-1,2-dichloroethene failed the technical %RSD calibration criteria, and methylene chloride failed the technical %D calibration criteria. Neither target analyte was detected in the samples, so qualification of the results for these analytes was not required by the Region 6 guidelines.

Methyl acetate failed the technical minimum RRF criteria for the initial calibration high point standard and for the daily calibration standard. The raw data indicated that the laboratory had no problem detecting methyl acetate at the CRQL, however, so the reviewer did not qualify the methyl acetate results.

4. Blanks: Acceptable. The method and storage blanks met contractual QC criteria. However, the storage blank contained vinyl chloride, acetone, methylene chloride, and toluene at concentrations below the CRQL's, indicating that these analytes were laboratory storage contaminants. Because of this contamination, all positive hit results for vinyl chloride, acetone, and toluene (concentrations below the CRQL's) should be considered undetected and were flagged "U" at the CRQL's on the DST.

Trip/Field Blanks: Chloromethane was detected at a concentration 1.1X the CRQL in trip blank sample F1R53 and at a concentration below the CRQL in field blank sample F1R68. Methyl tert-butyl ether, toluene, and/or 1,2-dichlorobenzene were detected at concentrations below the CRQL's in the field blanks. Because of the shipping and field contamination, all positive hit results

**ORGANIC QA REVIEW
CONTINUATION PAGE**

Jones Road

CASE 34472 SDG F10S6 SITE Ground Water Plume LAB LIBRTY

for chloromethane, methyl tert-butyl ether, and toluene in the field samples (concentrations below the CRQL's) should be considered undetected and were flagged "U" at the CRQL's on the DST.

5. Deuterated Monitoring Compounds (DMC's)/Surrogates:

Acceptable. All samples met the contractual DMC recovery criteria although four samples, including the MS/MSD samples, had one or two DMC recoveries above the QC limits. The DMC's with high recoveries for the MS/MSD samples were not associated with any spike analyte. The analytes associated with the high DMC recoveries in the remaining two samples were not detected in those samples, so qualification of those analyte results was not required.

6. Matrix Spike/Matrix Spike Duplicate/Laboratory Control Sample (MS/MSD/LCS): Acceptable. The laboratory spiked the MS/MSD samples at twice the concentration specified by the SOW, but the MS/MSD results were not affected in the reviewer's opinion. The RPD's exceeded the QC limits for benzene and chlorobenzene. These analytes were not detected in the native QC sample, so qualification of results was not required by the Region 6 guidelines. All other MS/MSD results were within the SOW QC limits.

7. Other QC:

Field Duplicates: Acceptable. All field duplicate results were consistent.

8. Internal Standards (IS): Acceptable. IS performance was acceptable for all samples.

9. Compound Identity (ID)/Quantitation: Acceptable. Target compounds detected at concentrations above the CRQL's in the samples were chloromethane, cis-1,2-dichloroethene, and tetrachloroethene. No compound identification or quantitation problem was detected.

10. Performance/Completeness: Acceptable. A resubmission was received in response to CCS, and the resubmitted page was used to replace the corresponding page in the package. The resubmission cover page and narrative were placed at the beginning of the data package. The data package was complete. The DST in this report is the final version.

11. Overall Assessment: All results were technically acceptable.

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
LABQUAL: Laboratory Qualifier
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
CRQLLBL: Contract Required Quantitation Limit Label
SMPDATE: Sampling Date
VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)
STATLOC: Station Location

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, and VALDQAL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- B** This result may be high biased because of laboratory/field contamination. The reported concentration is above 5X or 10X the concentration reported in the method/field blank.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- *** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.
- W** The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

CASE	SDG	EPASAMP	LABID	MATRIX	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	STATLOC
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75718	Dichlorodifluoromethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	74873	Chloromethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75014	Vinyl Chloride	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	74839	Bromomethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75003	Chloroethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75694	Trichlorodifluoromethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75354	1,1-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	76131	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	67641	Acetone	5.0	U	UG/L	5.0	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75150	Carbon Disulfide	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	79209	Methyl Acetate	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75092	Methylene Chloride	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	156605	trans-1,2-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	1634044	Methyl tert-Butyl Ether	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75343	1,1-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	156592	cis-1,2-Dichloroethene	0.64	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	78933	2-Butanone	5.0	U	UG/L	5.0	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	74975	Bromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	67663	Chloroform	0.17	LJ	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	71556	1,1,1-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	110827	Cyclohexane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	56235	Carbon Tetrachloride	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	71432	Benzene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	107062	1,2-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	79016	Trichloroethene	0.23	LJ	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	108872	Methylcyclohexane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	78875	1,2-Dichloropropane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75274	Bromodichloromethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	10061015	cis-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	108101	4-Methyl-2-pentanone	5.0	U	UG/L	5.0	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	108883	Toluene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	10061026	trans-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	79005	1,1,2-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	127184	Tetrachloroethene	3.4	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	591786	2-Hexanone	5.0	U	UG/L	5.0	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	124481	Dibromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	106934	1,2-Dibromoethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	108907	Chlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	100414	Ethylbenzene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	1330207	Xylenes (total)	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	100425	Styrene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	75252	Bromoform	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	98828	Isopropylbenzene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	79345	1,1,2-Tetrachloroethane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	541731	1,3-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	106467	1,4-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	95501	1,2-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TC11130

34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	96128	1,2-Dibromo-3-chloropropane	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	120821	1,2,4-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QS6	741501B71	W	08/13/2005	0:30	87616	1,2,3-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TC11130
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75718	Dichlorodifluoromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	74873	Chloromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75014	Vinyl Chloride	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	74839	Bromomethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75003	Chloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75694	Trichlorofluoromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75354	1,1-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	76131	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	67641	Acetone	5.0	U	UG/L	5.0	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75150	Carbon Disulfide	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	79209	Methyl Acetate	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75092	Methylene Chloride	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	156605	trans-1,2-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	1634044	Methyl tert-Butyl Ether	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75343	1,1-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	156592	cis-1,2-Dichloroethene	0.12	LJ	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	78933	2-Butanone	5.0	U	UG/L	5.0	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	74975	Bromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	67663	Chloroform	0.25	LJ	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	71556	1,1,1-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	110827	Cyclohexane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	56235	Carbon Tetrachloride	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	71432	Benzene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	107062	1,2-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	79016	Trichloroethene	0.16	LJ	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	108872	Methylcyclohexane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	78875	1,2-Dichloropropane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75274	Bromodichloromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	10061015	cis-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	108101	4-Methyl-2-pentanone	5.0	U	UG/L	5.0	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	108883	Toluene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	10061026	trans-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	79005	1,1,2-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	127184	Tetrachloroethene	0.76	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	591786	2-Hexanone	5.0	U	UG/L	5.0	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	124481	Dibromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	106934	1,2-Dibromoethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	108907	Chlorobenzene	0.11	LJ	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	100414	Ethylbenzene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	1330207	Xylenes (total)	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	100425	Styrene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	75252	Bromoform	0.10	LJ	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	98828	Isopropylbenzene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	79345	1,1,2,2-Tetrachloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	541731	1,3-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	106467	1,4-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TO11023

34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	95501	1,2-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	96128	1,2-Dibromo-3-chloropropane	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	120821	1,2,4-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1QY7	741502B71	W	08/13/2005	1:53	87616	1,2,3-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TO11023
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75718	Dichlorodifluoromethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	74873	Chloromethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75014	Vinyl Chloride	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	74839	Bromomethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75003	Chloroethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75694	Trichlorofluoromethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75354	1,1-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	76131	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	67641	Acetone	5.0	U	UG/L	5.0	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75150	Carbon Disulfide	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	79209	Methyl Acetate	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75092	Methylene Chloride	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	156605	trans-1,2-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	1634044	Methyl tert-Butyl Ether	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75343	1,1-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	156592	cis-1,2-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	78933	2-Butanone	5.0	U	UG/L	5.0	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	74975	Bromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	67663	Chloroform	0.23	LJ	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	71556	1,1,1-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	110827	Cyclohexane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	56235	Carbon Tetrachloride	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	71432	Benzene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	107062	1,2-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	79016	Trichloroethene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	108872	Methylcyclohexane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	78875	1,2-Dichloropropane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75274	Bromodichloromethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	10061015	cis-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	108101	4-Methyl-2-pentanone	5.0	U	UG/L	5.0	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	108883	Toluene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	10061026	trans-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	79005	1,1,2-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	127184	Tetrachloroethene	0.26	LJ	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	591786	2-Hexanone	5.0	U	UG/L	5.0	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	124481	Dibromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	106934	1,2-Dibromoethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	108907	Chlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	100414	Ethylbenzene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	1330207	Xylenes (total)	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	100425	Styrene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	75252	Bromoform	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	98828	Isopropylbenzene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	79345	1,1,2-Tetrachloroethane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	541731	1,3-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TT11114

34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	106467	1,4-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	95501	1,2-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	96128	1,2-Dibromo-3-chloropropane	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	120821	1,2,4-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R21	741503B71	W	08/13/2005	2:21	87616	1,2,3-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TT11114
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75718	Dichlorodifluoromethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	74873	Chloromethane	0.56	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75014	Vinyl Chloride	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	74839	Bromomethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75003	Chloroethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75694	Trichlorofluoromethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75354	1,1-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	76131	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	67641	Acetone	5.0	U	UG/L	5.0	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75150	Carbon Disulfide	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	79209	Methyl Acetate	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75092	Methylene Chloride	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	156605	trans-1,2-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	1634044	Methyl tert-Butyl Ether	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75343	1,1-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	156592	cis-1,2-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	78933	2-Butanone	5.0	U	UG/L	5.0	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	74975	Bromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	67663	Chloroform	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	71556	1,1,1-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	110827	Cyclohexane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	56235	Carbon Tetrachloride	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	71432	Benzene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	107062	1,2-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	79016	Trichloroethene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	108872	Methylcyclohexane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	78875	1,2-Dichloropropane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75274	Bromodichloromethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	10061015	cis-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	108101	4-Methyl-2-pentanone	5.0	U	UG/L	5.0	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	108883	Toluene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	10061026	trans-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	79005	1,1,2-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	127184	Tetrachloroethene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	591786	2-Hexanone	5.0	U	UG/L	5.0	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	124481	Dibromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	106934	1,2-Dibromoethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	108907	Chlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	100414	Ethylbenzene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	1330207	Xylenes (total)	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	100425	Styrene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	75252	Bromoform	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	98828	Isopropylbenzene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	79345	1,1,2-Tetrachloroethane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9

34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	541731	1,3-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	106467	1,4-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	95501	1,2-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	96128	1,2-Dibromo-3-chloropropane	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	120821	1,2,4-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R53	741504B71	W	08/13/2005	2:48	87616	1,2,3-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TRIP BLANK 9
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75718	Dichlorodifluoromethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	74873	Chloromethane	0.27	LJ	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75014	Vinyl Chloride	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	74839	Bromomethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75003	Chloroethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75694	Trichlorofluoromethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75354	1,1-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	76131	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	67641	Acetone	5.0	U	UG/L	5.0	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75150	Carbon Disulfide	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	79209	Methyl Acetate	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75092	Methylene Chloride	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	156605	trans-1,2-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	1634044	Methyl tert-Butyl Ether	0.20	LJ	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75343	1,1-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	156592	cis-1,2-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	78933	2-Butanone	5.0	U	UG/L	5.0	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	74975	Bromochloromethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	67663	Chloroform	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	71556	1,1,1-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	110827	Cyclohexane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	56235	Carbon Tetrachloride	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	71432	Benzene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	107062	1,2-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	79016	Trichloroethene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	108872	Methylcyclohexane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	78875	1,2-Dichloropropane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75274	Bromodichloromethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	10061015	cis-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	108101	4-Methyl-2-pentanone	5.0	U	UG/L	5.0	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	108883	Toluene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	10061026	trans-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	79005	1,1,2-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	127184	Tetrachloroethene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	591786	2-Hexanone	5.0	U	UG/L	5.0	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	124481	Dibromochloromethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	106934	1,2-Dibromoethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	108907	Chlorobenzene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	100414	Ethylbenzene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	1330207	Xylenes (total)	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	100425	Styrene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	75252	Bromoform	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	98828	Isopropylbenzene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK 12

34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	79345	1,1,2,2-Tetrachloroethane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK	12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	541731	1,3-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK	12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	106467	1,4-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK	12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	95501	1,2-Dichlorobenzene	0.11	LJ	UG/L	0.50	08/11/2005	FIELD BLANK	12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	96128	1,2-Dibromo-3-chloropropane	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK	12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	120821	1,2,4-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK	12
34472	F1QS6	F1R68	741505B71	W	08/13/2005	3:16	87616	1,2,3-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005	FIELD BLANK	12
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75718	Dichlorodifluoromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	74873	Chloromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75014	Vinyl Chloride	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	74839	Bromomethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75003	Chloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75694	Trichlorofluoromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75354	1,1-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	76131	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	67641	Acetone	5.0	U	UG/L	5.0	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75150	Carbon Disulfide	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	79209	Methyl Acetate	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75092	Methylene Chloride	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	156605	trans-1,2-Dichloroethene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	1634044	Methyl tert-Butyl Ether	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75343	1,1-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	156592	cis-1,2-Dichloroethene	0.13	LJ	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	78933	2-Butanone	5.0	U	UG/L	5.0	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	74975	Bromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	67663	Chloroform	0.21	LJ	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	71556	1,1,1-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	110827	Cyclohexane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	56235	Carbon Tetrachloride	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	71432	Benzene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	107062	1,2-Dichloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	79016	Trichloroethene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	108872	Methylcyclohexane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	78875	1,2-Dichloropropane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75274	Bromodichloromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	10061015	cis-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	108101	4-Methyl-2-pentanone	5.0	U	UG/L	5.0	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	108883	Toluene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	10061026	trans-1,3-Dichloropropene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	79005	1,1,2-Trichloroethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	127184	Tetrachloroethene	0.61	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	591786	2-Hexanone	5.0	U	UG/L	5.0	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	124481	Dibromochloromethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	106934	1,2-Dibromoethane	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	108907	Chlorobenzene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	100414	Ethylbenzene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	1330207	Xylenes (total)	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	100425	Styrene	0.50	U	UG/L	0.50	08/11/2005	TO11023A	
34472	F1QS6	F1R89	741506B71	W	08/13/2005	3:44	75252	Bromoform	0.50	U	UG/L	0.50	08/11/2005	TO11023A	

34472 F1QS6 F1R89	741506B71 W	08/13/2005 3:44	98828	Isopropylbenzene	0.50	U	UG/L	0.50	08/11/2005 TO11023A
34472 F1QS6 F1R89	741506B71 W	08/13/2005 3:44	79345	1,1,2,2-Tetrachloroethane	0.50	U	UG/L	0.50	08/11/2005 TO11023A "
34472 F1QS6 F1R89	741506B71 W	08/13/2005 3:44	541731	1,3-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005 TO11023A "
34472 F1QS6 F1R89	741506B71 W	08/13/2005 3:44	106467	1,4-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005 TO11023A
34472 F1QS6 F1R89	741506B71 W	08/13/2005 3:44	95501	1,2-Dichlorobenzene	0.50	U	UG/L	0.50	08/11/2005 TO11023A
34472 F1QS6 F1R89	741506B71 W	08/13/2005 3:44	96128	1,2-Dibromo-3-chloropropane	0.50	U	UG/L	0.50	08/11/2005 TO11023A
34472 F1QS6 F1R89	741506B71 W	08/13/2005 3:44	120821	1,2,4-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005 TO11023A
34472 F1QS6 F1R89	741506B71 W	08/13/2005 3:44	87616	1,2,3-Trichlorobenzene	0.50	U	UG/L	0.50	08/11/2005 TO11023A

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 34472 SDG No. F1QS6 SDG Nos. To Follow _____ SAS No. _____ Date Rec 08/18/05

EPA Lab ID:	LIBRTY		ORIGINALS	YES	NO	N/A
Lab Location:	Cary, NC		CUSTODY SEALS			
Region:	6	Audit No.:	34472/F1QS6	1. Present on package?	X	
Resubmitted CSF?	Yes	No	2. Intact upon receipt?	X		
Box No(s):	1		FORM DC-2			
COMMENTS:			3. Numbering scheme accurate?	X		
			4. Are enclosed documents listed?	X		
			5. Are listed documents enclosed?	X		
			FORM DC-1			
			6. Present?	X		
			7. Complete?	X		
			8. Accurate?	X		
			CHAIN-OF-CUSTODY RECORD(s)			
			9. Signed?	X		
			10. Dated?	X		
			TRAFFIC REPORT(s) PACKING LIST(s)			
			11. Signed?	X		
			12. Dated?	X		
			AIRBILLS/AIRBILL STICKER			
			13. Present?	X		
			14. Signed?	X		
			15. Dated?	X		
			SAMPLE TAGS			
			16. Does DC-1 list tags as being included?	X		
			17. Present?	X		
			OTHER DOCUMENTS			
			18. Complete?	X		
			19. Legible?	X		
			20. Original?		X	
			20a. If "NO", does the copy indicate where original documents are located?	X		

Over for additional comments.

Audited by:

Mikhail Fesenko

Audited by:

Audited by:

Signature

Michael J. Fertitta / ESAT Data Reviewer

Date 09/19/05

Date _____

Date _____

Printed Name/Title

DC-2



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 34472
DAS No:

R

Region: 6	Date Shipped: 8/11/2005	Chain of Custody Record		Sampler Signature: <i>[Signature]</i>
Project Code: 111108	Carrier Name: UPS	Relinquished By	(Date / Time)	Received By
Account Code:	Airbill: 1Z 66V 069 22 1000 4111			
CERCLIS ID:	Shipped to: Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100			
Spill ID:				
Site Name/State: JONES RD GW PLUME FEDERAL SUPEF				
Project Leader: BILL HARDMANT				
Action:				
Sampling Co: Shaw Environmental, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F1QS6	Ground Water	/G	VOA-3.2 (7)	415639 (HCL), 415640 (HCL), 415641 (HCL), 415642 (HCL), 415643 (HCL), 415644 (HCL), 415645 (HCL), 415646 (HCL), 415647 (HCL) (9)	TC11130	S: 8/11/2005 15:44		-
F1QY7	Ground Water	/G	VOA-3.2 (7)	415784 (HCL), 415785 (HCL), 415786 (HCL) (3)	TO11023	S: 8/11/2005 15:20		--
F1R21	Ground Water	/G	VOA-3.2 (7)	415730 (HCL), 415731 (HCL), 415732 (HCL) (3)	TT11114	S: 8/11/2005 15:30		--
F1R53	Field QC	/G	VOA-3.2 (7)	415051 (HCL), 415052 (HCL), 415053 (HCL) (3)	TRIP BLANK 9	S: 8/11/2005 15:00		Trip Blank
F1R68	Field QC	/G	VOA-3.2 (7)	415024 (HCL), 415025 (HCL), 415026 (HCL) (3)	FIELD BLANK 12	S: 8/11/2005 15:15		Field Blank
F1R89	Ground Water	/G	VOA-3.2 (7)	415787 (HCL), 415788 (HCL), 415789 (HCL) (3)	TO11023A	S: 8/11/2005 15:20		Field Duplicate

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Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F1QS6	Additional Sampler Signature(s): <i>[Signature]</i>	Chain of Custody Seal Number:
Analysis Key: VOA-3.2 = CLP TCL VOCs by OLC03.2	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 6-073826063-081105-0009

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818

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